

## ABSTRACT

The present disclosure relates to a method for the determination of an antenna weighing factor for base stations of a cellular radio network, wherein a radio link to a terminal can be established simultaneously via several base stations which respectively transmit in a parallel manner via several transmission paths from various antennas to the terminal. The terminal respectively determines channel coefficients for the transmission paths for the associated base stations and determines an antenna weighting factor using the channel coefficients and transmits the coefficients to the base stations. A transmission quality value of a transmission channel between the respective base station and the terminal is determined for the individual base stations and the channel coefficients of the individual base stations are prioritized and taken into account using the determined antenna weighting factor.